

CLAIMS

What is claimed is:

1. A wall mounting speaker assembly having a speaker unit, comprising:
 - a stationary member mounted on a wall;
 - a supporter to support the speaker unit;
 - a movable joint, provided between the stationary member and the supporter, and coupled to a vertical swiveling shaft and a horizontal tilting shaft, thereby allowing the speaker unit to swivel and tilt;
 - a lock provided on a bottom of the speaker unit; and
 - a hook provided on the supporter to be engaged with the lock, preventing the speaker unit from moving upward from the supporter.
2. The speaker assembly according to claim 1, wherein the hook cooperates with the lock of the speaker unit having been slid forward along the supporter.
3. The speaker assembly according to claim 2, further comprising a stopper, at the supporter, to prevent a release of the speaker unit.
4. The speaker assembly according to claim 3, further comprising a stopper groove to accommodate the stopper therein, wherein the stopper groove is concave at a bottom of the speaker unit, to accommodate the stopper therein.
5. The speaker assembly according to claim 3, further comprising a stopper through hole formed in the supporter, and
 - the stopper includes: a flat part attached to the backside of the supporter; a holding part protruding upward to penetrate the hole; and a release part forcing the stopper to move downward and to make the salient lock in a release mode.
6. The speaker assembly according to claim 1, further comprising a cable clip, provided under the supporter, to hold a power supply cable for the speaker unit.

7. The speaker assembly according to claim 2, further comprising a cable clip, provided under the supporter, to hold a power supply cable for the speaker unit.

8. The speaker assembly according to claim 3, further comprising a cable clip, provided under the supporter, to hold a power supply cable for the speaker unit.

9. The speaker assembly according to claim 4, further comprising a cable clip, provided under the supporter, to hold a power supply cable for the speaker unit.

10. The speaker assembly according to claim 5, further comprising a cable clip, provided under the supporter, to hold a power supply cable for the speaker unit.

11. A wall mounted speaker assembly, to mount a speaker, having locks and a groove, comprising:

a stationary member having a first bracket;

a joint member, coupled to the stationary member via a first shaft, which is held in place by the first bracket, to rotate about the first shaft;

a supporter having hooks to cooperate with the locks of the speaker and a second bracket, coupled to the joint member via a second shaft, which is held in place by the second bracket, to rotate about the second shaft; and

a stopper, to cooperate with the groove to prevent the speaker from being unintentionally released from the supporter when the locks cooperate with the hooks.

12. The speaker assembly according to claim 11, wherein the locks protrude from a bottom surface of the speaker.

13. The speaker assembly according to claim 12, wherein the groove is located in the bottom surface of the speaker.

14. The speaker assembly according to claim 11, wherein the first bracket comprises a hole through which the first shaft is inserted.

15. The speaker assembly according to claim 11, wherein the supporter comprises:

a plate having an upper surface, which contacts the speaker, from which the hooks extend, and a lower surface; and

a hole through which the stopper penetrates.

16. The speaker assembly according to claim 15, wherein the stopper comprises:
a flat part fixed on the lower surface of the supporter;
a holding part penetrating the hole in the supporter; and
a release part to force the holding part to retreat from the hole in the supporting part when pulled externally.

17. The speaker assembly according to claim 11, wherein the second bracket comprises a hole through which the second shaft is inserted.

18. The speaker assembly according to claim 11, wherein the first and second shafts extend through joint member holes in first and second directions.

19. The speaker assembly according to claim 18, wherein the first and second directions are perpendicular.

20. A method of assembling a wall mounted speaker assembly, including a stationary member, a joint member to rotate around the stationary member, a supporter, having a flat surface from which hooks, with hooking surfaces, extend and a hole, to rotate around the joint member, a speaker having locks, with locking surfaces, to engage with the hooks and a groove, and a stopper to penetrate the hole in the supporting unit and cooperate with the groove, the method comprising:

engaging the hooks of the supporter with the locks of the speaker;
locking the speaker in place after the hooks are engaged with the locks via the cooperation between the stopper and the groove;
positioning the speaker by rotating the supporter around the joint member and by rotating the joint member around the stationary member.

21. The method according to claim 20, wherein the engaging comprises:
positioning the locking surfaces to abut the hooking surfaces; and

pulling the speaker forward from the stationary member along the supporter.

22. The method according to claim 21, further comprising disassembling the speaker from the wall mounted assembly.